

# Product data sheet

Specifications



Photoelectric sensors XU, XUR, diffuse, color, Sn 60 mm, 12...24 VDC, cable 2 m

XURC3PPML2

## Main

Range of product	Telemecanique Photoelectric sensors XU
Series name	Application packaging
Electronic sensor type	Photo-electric sensor
Product specific application	Colour
Sensor name	XUR
Sensor design	Compact
Detection system	Diffuse
Emission	Red, blue and green
[Sn] nominal sensing distance	40 mm spot Ø 4 mm 50 mm spot Ø 6 mm 60 mm spot Ø 8 mm
Material	Metal
Supply circuit type	DC
Type of output signal	Discrete
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NO
Electrical connection	Cable
Cable length	2 m

## Complementary

Enclosure material	Aluminium
Lens material	Glass
Cover material	Polyacrylate
Output type	Solid state
Output function governance	Light on
Add on input	Synchro + recording
Cable composition	7 x 0.2 mm <sup>2</sup>
Wire insulation material	Vinyl rubber
Cable outer diameter	5.4 mm

<b>Status LED</b>	Output state: 3 LEDs
<b>[Us] rated supply voltage</b>	12...24 V DC
<b>Supply voltage limits</b>	10...30 V DC
<b>Switching capacity in mA</b>	<= 100 mA (overload and short-circuit protection)
<b>Switching frequency</b>	<= 1200 Hz
<b>Switching time</b>	6 ms programmable by switch 0.8 ms programmable by switch 1.5 ms programmable by switch
<b>Maximum voltage drop</b>	<1.5 V (closed state)
<b>Current consumption</b>	<= 150 mA no-load
<b>Time delay range</b>	40 ms on falling edge programmable by switch delay
<b>Setting-up</b>	Tolerance level Operating mode Sensitivity adjustment with teach mode
<b>Depth</b>	57 mm
<b>Height</b>	87 mm
<b>Width</b>	30 mm
<b>Net weight</b>	0.26 kg

## Environment

<b>Product certifications</b>	CE
<b>Ambient air temperature for operation</b>	-10...50 °C
<b>Ambient air temperature for storage</b>	-30...70 °C
<b>Relative humidity</b>	35...85 % without condensation
<b>Immunity to ambient light</b>	10000 lux sunlight 3000 lux halogen light
<b>Vibration resistance</b>	7 gn, amplitude = +/- 0.75 mm (f = 10...55 Hz) on the 3 axes during 2 hours conforming to IEC 60068-2-6
<b>Shock resistance</b>	50 gn for 5 shocks on each axis conforming to IEC 60068-2-27
<b>IP degree of protection</b>	IP67 conforming to IEC 60529

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	290 g
<b>Package 1 Height</b>	6.5 cm
<b>Package 1 width</b>	7.8 cm
<b>Package 1 Length</b>	13.3 cm
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	10
<b>Package 2 Weight</b>	3.352 kg
<b>Package 2 Height</b>	15 cm
<b>Package 2 width</b>	30 cm
<b>Package 2 Length</b>	40 cm

**Offer Sustainability**

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<b>EU RoHS Directive</b>	Not applicable, out of EU RoHS legal scope
<b>California proposition 65</b>	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP) and Diisononyl phthalate (DINP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

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**Contractual warranty**

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<b>Warranty</b>	18 months
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